

CLAIMS

1. A kit for a rotary encoder, comprising:
a plurality of signal generating members
for generating mutually different signals, any selected
5 one of said signal generating members being able to be
attached in an exchangeable manner to a rotary body; and
a signal sensing unit arranged in close
proximity to one selected signal generating member
attached to said rotary body, for sensing a signal
10 generated due to a rotation of said signal generating
member;
wherein said plurality of signal
generating members are respectively formed in such a
manner that numbers of signal-cycles and signal-intervals
15 in signals generated during a unit rotation of respective
signal generating members are different from each other,
while products of said numbers of signal-cycles
multiplied by said signal-intervals in said signals are
generally identical to each other.
- 20 2. A kit for a rotary encoder, as set forth in
claim 1, wherein each of said plurality of signal
generating members is a circular plate member having an
outer circumferential surface, and wherein a signal
generating element for generating said signal is provided
25 on said outer circumferential surface of each signal
generating member.
3. A kit for a rotary encoder, as set forth in
claim 2, wherein said plurality of signal generating
members have outer diameters generally identical to each
30 other.
4. A kit for a rotary encoder, as set forth in
claim 1, wherein each of said plurality of signal
generating members is an annular member having an inner
circumferential surface, and wherein an attachment
35 portion for detachably attaching each signal generating
member to the rotary body is provided in said inner
circumferential surface.

5. A kit for a rotary encoder, as set forth in claim 4, wherein said plurality of signal generating members have inner diameters generally identical to each other.

5 6. A kit for a rotary encoder, as set forth in claim 1, wherein each of said plurality of signal generating members includes a signal generating element comprising at least one tooth.

10 7. A kit for a rotary encoder, as set forth in claim 1, wherein each of said plurality of signal generating members includes a signal generating element comprising at least one magnetized pattern.

8. A rotary encoder, comprising:
a first signal generating member for
15 generating a first signal, said first signal generating member being able to be attached to a rotary body, in a manner as to be exchangeable with a second signal generating member for generating a second signal different from said first signal; and
20 a signal sensing unit arranged in close proximity to said first signal generating member attached to said rotary body, for sensing said first signal generated due to a rotation of said first signal generating member;

25 wherein said first signal generating member is formed in such a manner that a number of signal-cycles and a signal-interval in said first signal generated during a unit rotation of said first signal generating member is different from a number of signal-cycles and a signal-interval in said second signal
30 generated during a unit rotation of said second signal generating member, while a product of said number of signal-cycles multiplied by said signal-interval in said first signal is generally identical to a product of said
35 number of signal-cycles multiplied by said signal-interval in said second signal.